

# NATUREFLEX™ NK-F

## DESCRIPTION:

NATUREFLEX™ NK-F is a transparent high barrier heat-sealable compostable film.

## CHARACTERISTICS:

- Based on renewable resources
- Certified as compostable in both industrial and home composting environments, also suitable for anaerobic digestion
- Excellent moisture barrier
- Heat sealable on both sides
- Formulated for enhanced print and conversion receptivity
- Excellent transparency and gloss
- Excellent dead-fold characteristics
- Inherent anti-static properties
- Excellent barrier to gases and aromas
- Resistant to oils and greases
- Cold-seal compatible

## FDA STATUS:

Manufactured with materials compliant with FDA regulations.

## TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES				TEST METHOD
		75	90	120	180	
Thickness	Gauge	0.76	0.93	1.19	1.78	-
Yield	in <sup>2</sup> /lb	25,100	21,000	16,400	10,900	-
Tensile Strength MD	psi	18,000	18,000	18,000	18,000	ASTM D882
Tensile Strength TD	psi	10,000	10,000	10,000	10,000	ASTM D882
Elongation at Break MD	%	22	22	22	22	ASTM D882
Elongation at Break TD	%	70	70	70	70	ASTM D882
Elasticity modulus (1% secant) MD	psi	>435,000	>435,000	>435,000	>435,000	ASTM D882
Elasticity modulus (1% secant) TD	psi	>220,000	>220,000	>220,000	>220,000	ASTM D882
Sealing range	°F	240-340	240-340	240-340	240-340	0.5 secs; 10psi
Seal Strength	g(f)in	225	225	225	225	275°F; 0.5 secs; 10psi
Gloss (45°)	%	105	105	105	105	ASTM D2457
C of F (film to film)	Static	.35	.35	.35	.35	ASTM D1894
C of F (film to film)	Dynamic	.30	.30	.30	.30	ASTM D1894
Haze (Wide Angle) 2.5°	%	4.5	4.5	4.5	4.5	ASTM D1003
WVTR	g/100 in <sup>2</sup> /24 hrs	0.9	0.9	0.9	0.9	ASTM E96 100°F 90% RH
OTR	cc/100 in <sup>2</sup> /24 hrs	0.2	0.2	0.2	0.2	ASTM D1927 75°F 0% RH
OTR	cc/100 in <sup>2</sup> /24 hrs	0.35	0.35	0.35	0.35	ASTM D1927 75°F 50% RH

\*All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

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